

# PPAGES

## Quick ReferenceCard

AIX, UNICOS, UNIX, and VMS  
(Version 2.1, Release Date 1/1/96)

ppages - submits jobs to the Print and Graphics Express Station (PAGES) for paper or film output.

### SYNOPSIS

ppages -ft filetype -format format  
[-bw] [-cc] [-cl classification] [-coll] [-color]  
[-copies #] [-deliv] [-ds] [-h] [-hc color] [-hd]  
[-help] [-image image] [-landscape] [-mail]  
[-major title] [-minor title] [-nopunch] [-norev]  
[-nostaples] [-portrait] [-punch]  
[-scale factor] [-scs] [-ss] [-staples] [-talk]  
[-title title] [-v] [-vd] filename(s) [-]

### DESCRIPTION

ppages executes without interaction. This utility accepts input parameters, then sends the file through the network to PAGES for processing. On Ultrix and Sun UNIX systems if no filename is given, or if the argument '-' is given, ppages reads from the standard input.

**-ft filetype** Must be the first argument on the command line and describes the files type. The file types supported are:

ps	(PostScript file, .ps)
cgs	(common graphics system metafile)
txt	(ascii text file)
sun	(sun raster file)
iris	(sgi iris raster file, .rgb)
tiff	(tagged image file format, .tif)
cgm	(computer graphics metafile raster subset of ISO/ANSI CGM, .cgm)

INPUT FILETYPE	OUTPUT MEDIUM
CGS metafile	paper, transparency, film, fiche.
CGM metafile	paper, transparency, film.
Sun raster file	paper, transparency, film.
Tiff raster file	paper, transparency, film.

Iris raster file	paper, transparency, film.
PostScript file	paper, transparency, film.
Text file	paper and fiche.

**-format format** Must appear as the second argument on the command line and describes how to process the file. The formats supported are:

ltr	(8.5 x 11 print or image on paper)
ltrphoto	(8.5 x 11 photographic image)
glufold	(8.5 x 11 image folded, perforated, and glued on 70# bond paper)
tran	(8.5 x 11 image on transparency)
tranphoto	(8.5 x 11 photographic image)
36	(36in image on paper)
36_ansi_a	(ANSI size A 8.5 x 11 image on paper)
36_ansi_b	(ANSI size B 11 x 17 image on paper)
36_ansi_c	(ANSI size C 17 x 22 image on paper)
36_ansi_d	(ANSI size D 22 x 34 image on paper)
36_ansi_e	(ANSI size E 34 x 44 image on paper)
36_arch_a	(ANSI size A 9 x 12 image on paper)
36_arch_b	(ANSI size B 12 x 18 image on paper)
36_arch_c	(ANSI size C 18 x 24 image on paper)
36_arch_d	(ANSI size D 24 x 36 image on paper)
36_arch_e	(ANSI size E 36 x 48 image on paper)
35	(35mm image on color film, full slide area)
105	(b/w text or cgs image on fiche)
video8mm	(color images on 8mm video)
videovhs	(color images on 1/2 inch vhs video)
videomat	(color images on 3/4 inch umatic video)

FORMAT	PRINTABLE AREA
8.5 x 11 in b/w & photo	8.4 x 11
8.5 x 11 in color	7.9 x 8.75
36in b/w	34.76 x 40.96
35mm slides	21.9mm x 33.7mm

### OPTIONS

**-bw** The output will be in black and white on black and white and color devices. Not available for transparencies.

**-cc** Uses the first character of each line for print control. Character Effects:

1	Begins a new page
0	Double spaces
+	Allows overprinting
-	Causes two blank lines
Blank	Causes a linefeed

**-cl class** Where class is classification. Valid classifications are as follows:

#### Open partition:

u - unclassified.

#### Administrative partition:

u - unclassified  
uo or o - official use only  
us - unclassified sensitive

#### National Security partition:

u - unclassified  
cf - confidential frd  
cn - confidential nsi  
sf - secret frd  
sn - secret nsi  
sr - secret rd.

#### Secure partition:

u - unclassified  
uo or o - official use only  
us - unclassified sensitive  
p - protect as restricted data  
cr - confidential rd  
cf - confidential frd  
cn - confidential nsi  
sr - secret rd  
sf - secret frd  
sn - secret nsi

*NOTE: Only implemented for files that have a standard header.*

**-coll** When used with the -copies option this allows for collation of the specified number of copies instead of printing all copies together.

**-color** The output will be in color, except on black and white devices.

**-copies #** Where # is the number of copies desired. The

limit on copies is 99. For 36 inch plotter output, multiple copy jobs are discouraged because color requires multiple passes on the printer and ties up resources.

**-deliv** Overrides the output destination that is in the PAGES database and sends the output to the users shelf. This shelf is located in the CCF concourse and labeled with the last two digits of the users Z number. If you have not called the CCF dispatcher (phone 505-667-4584) to specify an output destination, your output is, by default, put on your user shelf.

**-ds** For double sided, black on white paper output. The default for text files is double sided, and single-sided for all others. This option only applies to text, CGS, and PostScript files targeted for paper output.

**-h** For text files paper output will have a horizontal (landscape) aspect, non-dense line spacing; 132 columns by 64 lines with one image per page.

**-hc color** Where color is either r for red, g for green, or b for blue. For PostScript, cgs, sun, iris, tiff, and cgm files paper output will be printed with the highlight color specified if the color information is in the file.

**-hd** For text files paper output will have a horizontal (landscape) aspect, dense line spacing; 132 columns by 86 lines with one image per page.

**-help** Prints out a terse help package on the standard output device.

**-image image** Where image is exact or limits and two or four floating point parameters. The exact option centers the image on the page. The limits option does not center the image on the center of the page. The floating point parameters specify the area of the paper on which the image will appear. The syntax for the image option is as follows.

*format: -image exa xmax ymax*

*example: -image exa 4.0 4.0*

*format: -image l xmin xmax ymin ymax*

*example: -image l 2.0 4.0 2.0 4.0*

*(This does not apply to PostScript or Text files.)*

**-landscape** Rotates the image on the page from a portrait image (vertical) to a landscape image (horizontal). The default is portrait for PostScript images and text files. Land-

scape for all other files. NOTE: Postscript images already prepared for landscape printing by an application should not use this option.

**-mail** An e-mail message is sent back to the submitter indicating the job has been received by PAGES.

**-major title** Where title is at most 30 characters and enclosed with quotes.

**-minor title** Where title is at most 30 characters and enclosed with quotes.

**-nopunch** The output will be black on white unpunched paper. Default for text files is punched and unpunched for all others. This option only applies to text, CGS and PostScript files.

**-norev** The output will be no reverse grayscale. The default is reverse grayscale which compensates for CGS metafiles that are assumed to have black backgrounds. This option is for b/w and color CGS metafiles for paper output only.

**-nostaples** For unstapled black and white paper output.

**-portrait** Rotates the image on the page from a landscape image (horizontal) to a portrait image (vertical). The default is portrait for PostScript images and text files. Landscape for all other files.

**-punch** The output will be black on white three-hole punched paper only. Default for text files is punched and unpunched for all others. This option only applies to text, CGS and PostScript files.

**-rev** The output will be reverse grayscale and will compensate for CGS metafiles that are assumed to have black backgrounds. This option is for b/w and color CGS metafiles for paper output only.

**-scale factor** Where factor is a floating point number in the range .001 to 99.999. Increasing the size of an image beyond the printable area will lead to clipping of the image. In this case you may want to select a larger media like 36. Some postscript files are self scaling and will render this option ineffective. This option only applies to PostScript files.

**-scs** This option allows for special concatenated sets. It allows several files to be processed as one, but printed as individual files with each file starting on a new page and each of the files stapled. This only applies to 8.5 x 11 b/w typed print output.

**-ss** For single sided, black on white paper output. The default for text files is double sided, and single-sided for all others. This option only applies to text, CGS, and PostScript files targeted for paper output.

**-staples** For stapled black on white paper output. The default is no staple for graphics files and staples for text files. Staples are placed in the upper left hand corner of the page. This option only applies to text, CGS, paper and PostScript files.

**-talk** The version date and parameter information is printed on the standard output device.

**-title title** Where title is at most 30 characters and enclosed with quotes.

**-v** For text files paper output will have a vertical (portrait) aspect, non-dense line spacing; 100 columns by 80 lines with one image per page.

**-vd** For text files paper output will have a vertical (portrait) aspect, dense line spacing; 132 columns by 64 lines with two images per page.

**Filename(s)** The filename(s) option on the command line lists the names of the files that you wish to have printed at the PAGES printers. You can specify a maximum of 999 filename(s) when executing ppages.

[**-**] On Ultrix and Sun UNIX systems if no filename is given, or if the argument '**-**' is given, ppages reads from the standard input.

## SUPPORT

Please direct questions to the CIC Division Consulting Office (505) 667-5745, or send electronic mail to [consult@lanl.gov](mailto:consult@lanl.gov) or to [graphics@lanl.gov](mailto:graphics@lanl.gov).

**URL** "<http://pages-sv.lanl.gov/PAGES.html>"